

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

- 1                   1.       (Original) A computer-implemented method of integrated natural  
2 resource management comprising:
  - 3                   a)       storing and managing resource management information associated with  
4 defined geographic units in a database, including storing spatial and non-spatial information  
5 associated with the defined geographic units;
  - 6                   b)       preparing resource activity plans based on the resource management  
7 information for use in managing a natural resource within the defined geographic units;
  - 8                   c)       tracking actual results of managing the natural resource according to the  
9 resource activity plans for use in updating the resource management information; and  
10                  d)       updating the resource management information based on the tracking of  
11 actual results.
- 1                   2.       (Original) The method of claim 1, wherein preparing resource activity  
2 plans further comprises notifying a user when a resource activity plan is affected by updates to  
3 the resource management information.
- 1                   3.       ~~(Amended)~~ (Currently Amended) The method of claim 1, wherein the  
2 resource management information stored further comprises constraint information based on laws  
3 and regulations applicable to the defined geographic units and wherein the said constraint  
4 information is relied upon in the preparation of resource activity plans.
- 1                   4.       ~~(Amended)~~ (Currently Amended). The method of claim 1, wherein the  
2 resource management information stored further comprises constraint information based on  
3 customer orders for the natural resource or for products derived from the natural resource and

4 wherein ~~the~~ said constraint information is relied upon in the preparation of resource activity  
5 plans.

1 5. (Original) The method of claim 1, further comprising notifying a user  
2 when changes in conditions of the resource management information have an impact on resource  
3 activity plans.

1 6. (Original) The method of claim 5, wherein the resource management  
2 information stored further comprises feedback from actual results of managing the natural  
3 resource according to the resource activity plans.

1 7. (Original) The method of claim 1, wherein preparing resource activity  
2 plans further comprises preparing a plan for harvesting the natural resource within the  
3 geographic units.

1 8. (Original) The method of claim 7, wherein preparing resource activity  
2 plans further comprises preparing a plan for developing infrastructure for use in supporting  
3 harvesting the natural resource.

1 9. (Original) The method of claim 7, wherein preparing resource activity  
2 plans further comprises preparing a plan for maintaining and deactivating infrastructure for use  
3 in supporting harvesting the natural resource.

1 10. (Original) The method of claim 7, wherein preparing resource activity  
2 plans further comprises preparing a plan for reclamation of the defined geographic units  
3 following the receipt of update information pertaining to the effects of harvesting the natural  
4 resource.

1 11. (Original) The method of claim 10, wherein preparing resource activity  
2 plans further comprises preparing a silviculture related plan.

1                   12.     (Original) The method of claim 1, further comprising notifying a user  
2 when one or more of the resource activity plans do not comply with constraints set by the  
3 resource management information.

1                   13.     (Original) The method of claim 12, wherein notifying further comprises  
2 notifying the user of features of one or more resource activity plans identified as inconsistent  
3 with quantitative constraints specified for the defined geographic unit in question by resource  
4 attribute information and regulatory constraint information.

1                   14.     (Original) The method of claim 12, further comprising verifying that the  
2 resource activity plans comply with one or more silviculture prescriptions associated with the  
3 defined geographic units.

1                   15.     (Original) The method of claim 14, further comprising verifying that the  
2 resource activity plans associated with at least one of the defined geographic units comply with a  
3 silviculture prescription associated with the at least one of the defined geographic units,  
4 including comparing one or more quantitative constraints in the silviculture prescription with  
5 ecological data stored in the database for the at least one of the defined geographic units.

1                   16.     (Original) A computer-implemented system for integrated natural  
2 resource management comprising:

3                   a)       means for storing and managing resource management information  
4 associated with defined geographic units in a database, comprising means for storing spatial  
5 information and non-spatial information associated with the defined geographic units;

6                   b)       means for preparing resource activity plans based on the resource  
7 management information for use in managing a natural resource within the defined geographic  
8 units;

9                   c)       means for tracking actual results of managing the natural resource  
10 according to the resource activity plans for use in updating the resource management  
11 information; and

12                   d)       means for updating the resource management information based on the  
13 tracking of actual results.

1                   17.       (Original) The system of claim 16, further comprising means for notifying  
2 a user when a resource activity plan is affected by updates to the resource management  
3 information.

1                   18.       ~~(Amended)~~ (Currently Amended) The system of claim 16, wherein the  
2 resource management information stored further comprises regulatory constraint information  
3 applicable to the defined geographic units and wherein ~~the~~ said regulatory constraint information  
4 is relied upon by the means for preparation of resource activity plans to verify compliance with  
5 such regulatory constraint information by such resource activity plans.

1                   19.       ~~(Amended)~~ (Currently Amended) The system of claim 16, wherein the  
2 resource management information stored further comprises constraint information based on  
3 customer orders for the natural resource or for products derived from the natural resource and  
4 wherein ~~the~~ said constraint information is relied upon by the means for preparation of resource  
5 activity plans.

1                   20.       (Original) The system of claim 16, further comprising means for notifying  
2 a user when one or more of the resource activity plans do not comply with constraints set by the  
3 resource management information.

1                   21.       (Original) The system of claim 20, where the means for notifying further  
2 comprises means for notifying the user of features of one or more resource activity plans  
3 identified as inconsistent with quantitative constraints specified for the defined geographic unit  
4 in question by resource attribute information and regulatory constraint information.

1                   22.     (Original) The system of claim 16, wherein the means for preparing  
2 resource activity plans further comprises means for preparing a plan for harvesting the natural  
3 resource.

1                   23.     (Original) The system of claim 22, wherein the means for preparing  
2 resource activity plans further comprises means for preparing a plan for developing infrastructure  
3 elements for use in supporting harvesting of the natural resource.

1                   24.     (Original) The system of claim 23, wherein the means for preparing  
2 resource activity plans further comprises means for preparing a plan for maintaining and  
3 deactivating infrastructure elements for use in supporting harvesting the natural resource.

1                   25.     (Original) The system of claim 22, wherein the means for preparing  
2 resource activity plans further comprises means for preparing a plan for post-harvest reclamation  
3 of at least one of the defined geographic units.

1                   26.     (Original) The system of claim 16, wherein the means for preparing  
2 resource activity plans further comprises means for preparing a silviculture related plan.

1                   27.     (Original) A computer-implemented system for integrated natural  
2 resource management comprising:

3                   a)       a resource management information system adapted to store and manage  
4 resource management information associated with defined geographic units in a database,  
5 including spatial information and non-spatial information associated with the defined geographic  
6 units;

7                   b)       a resource activity planning system adapted to prepare resource activity  
8 plans based on the resource management information for use in managing a natural resource  
9 within the defined geographic units;

10                   c)       an actual results tracking system adapted to track actual results of  
11     managing the natural resource according to the resource activity plans for use in updating the  
12     resource management information; and

13                   d)       a product inventory management system adapted to store harvested  
14     inventory movement results received from the actual results tracking system;  
15     wherein the resource management information system is adapted to update the resource  
16     management information based on the tracking of actual results by the actual results tracking  
17     system.

1                   28.     (Original) The system of claim 27, further comprising a resource activity  
2     management system adapted to provide users with views of the resource activity plans and  
3     adapted to compare the resource activity plans with the actual results tracked by the actual results  
4     tracking system.

1                   29.     (Original) The system of claim 28, further comprising a customer tracking  
2     system adapted to store and track customer information and requirements including delivery  
3     requirements, wherein product inventory movements can be monitored by the product inventory  
4     management system to verify that actual product inventory that is in the process of being  
5     harvested for delivery will be delivered to customers in accordance with delivery requirements of  
6     such customers.